

01 SQ Listing- Oct 2004.ST25.txt
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	280					285					290					
tac	ggt	gcg	aaa	aac	atc	ggt	gcg	gct	gag	ctt	gct	gat	tct	tgc	gaa	1926
Tyr	Val	Ala	Lys	Asn	Ile	Val	Ala	Ala	Glu	Leu	Ala	Asp	Ser	Cys	Glu	
295					300					305					310	
gta	cag	ctt	gct	tac	gcg	atc	ggt	ggt	gca	cag	cct	gtg	tca	atc	tca	1974
Val	Gln	Leu	Ala	Tyr	Ala	Ile	Gly	Val	Ala	Gln	Pro	Val	Ser	Ile	Ser	
				315					320					325		
atc	aac	aca	ttc	ggt	tca	gga	aaa	gct	tct	gag	gaa	aaa	ctg	att	gaa	2022
Ile	Asn	Thr	Phe	Gly	Ser	Gly	Lys	Ala	Ser	Glu	Glu	Lys	Leu	Ile	Glu	

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330
335
340
ggt ggt cgc aat aac ttt gat tta cga cct gcc ggc att atc aaa atg 2070
Val Val Arg Asn Asn Phe Asp Leu Arg Pro Ala Gly Ile Ile Lys Met
345 350 355

ctt gat ttg cgc cgt ccg atc tat aaa caa act gct gcg tac ggc cac 2118
Leu Asp Leu Arg Arg Pro Ile Tyr Lys Gln Thr Ala Ala Tyr Gly His
360 365 370

ttt gga cgt cac gat gtt gac ctt cca tgg gag cgc aca gac aaa gcg 2166
Phe Gly Arg His Asp Val Asp Leu Pro Trp Glu Arg Thr Asp Lys Ala
375 380 385 390

gag cag ctg cgt aaa gaa gcg tta gga gaa taa ttttatagcc gcttactggt 2219
Glu Gln Leu Arg Lys Glu Ala Leu Gly Glu
395 400

taagcggcctt tccctttttt atcgttgtat tcatgtttat ttttttacat aactgcgaaa 2279

ccaaatacta ttcacagcgt ctataaatag gggttcaatg atgacaattt taattatgga 2339

ggcaatacta tgtgtggatt tgtcgggggtt ttttaacaagc atccgttagc tcaaaccgct 2399

gatcaagaag aactaatcaa acaaatgaac caaatgatcg ttcaccgcgg tcctgacagt 2459

gatggatatt tccatgatga gcacgtcggc ttcggattca gacggctcag cattattgat 2519

gtagaaaatg gtggacagcc tttatcatat gaagatgaaa catattggat tatctttaac 2579

ggagtaaatc ta 2591

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<211> 400
<212> PRT
<213> Bacillus subtilis

<400> 17

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His Pro Asp Lys Ile Cys Asp Gln Ile Tyr Asp Ser Ile Leu Asp Glu
20 25 30

Ile Leu Lys Lys Asp Pro Asn Ala Arg Val Ala Cys Glu Thr Ser Val
35 40 45

Thr Thr Gly Leu Val Leu Val Ser Gly Glu Ile Thr Thr Ser Thr Tyr
50 55 60

Val Asp Ile Pro Lys Thr Val Arg Gln Thr Ile Lys Glu Ile Gly Tyr
65 70 75 80

Thr Arg Ala Lys Tyr Gly Phe Asp Ala Glu Thr Cys Ala Val Leu Thr
85 90 95

Ser Ile Asp Glu Gln Ser Ala Asp Ile Ala Met Gly Val Asp Pro Ala
100 105 110

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Leu Glu Ala Arg Glu Gly Thr Met Ser Asp Glu Glu Ile Glu Ala Ile
 115 120 125
 Gly Ala Gly Asp Gln Gly Leu Met Phe Gly Tyr Val Cys Asn Glu Thr
 130 135 140
 Lys Glu Leu Met Pro Leu Pro Ile Ser Leu Ala His Lys Leu Ala Arg
 145 150 155 160
 Arg Leu Ser Glu Val Arg Lys Glu Asp Ile Leu Pro Tyr Leu Arg Pro
 165 170 175
 Asp Gly Lys Thr Gln Val Thr Val Glu Tyr Asp Glu Asn Asn Lys Pro
 180 185 190
 Val Arg Ile Asp Ala Ile Val Ile Ser Thr Gln His His Pro Glu Ile
 195 200 205
 Thr Leu Glu Gln Ile Gln Arg Asn Ile Lys Glu His Val Ile Asn Pro
 210 215 220
 Val Val Pro Glu Glu Leu Ile Asp Glu Glu Thr Lys Tyr Phe Ile Asn
 225 230 235 240
 Pro Thr Gly Arg Phe Val Ile Gly Gly Pro Gln Gly Asp Ala Gly Leu
 245 250 255
 Thr Gly Arg Lys Ile Ile Val Asp Thr Tyr Gly Gly Tyr Ala Arg His
 260 265 270
 Gly Gly Gly Ala Phe Ser Gly Lys Asp Ala Thr Lys Val Asp Arg Ser
 275 280 285
 Ala Ala Tyr Ala Ala Arg Tyr Val Ala Lys Asn Ile Val Ala Ala Glu
 290 295 300
 Leu Ala Asp Ser Cys Glu Val Gln Leu Ala Tyr Ala Ile Gly Val Ala
 305 310 315 320
 Gln Pro Val Ser Ile Ser Ile Asn Thr Phe Gly Ser Gly Lys Ala Ser
 325 330 335
 Glu Glu Lys Leu Ile Glu Val Val Arg Asn Asn Phe Asp Leu Arg Pro
 340 345 350
 Ala Gly Ile Ile Lys Met Leu Asp Leu Arg Arg Pro Ile Tyr Lys Gln
 355 360 365
 Thr Ala Ala Tyr Gly His Phe Gly Arg His Asp Val Asp Leu Pro Trp
 370 375 380

01 SQ Listing- Oct 2004.ST25.txt
 Glu Arg Thr Asp Lys Ala Glu Gln Leu Arg Lys Glu Ala Leu Gly Glu
 385 390 395 400